

Title (en)

Substituted dithiocarbamylurea accelerators.

Title (de)

Substituierte Dithiocarbamylharnstoffe als Beschleuniger.

Title (fr)

Dithiocarbamoylurées substituées accélérateurs.

Publication

**EP 0154437 A2 19850911 (EN)**

Application

**EP 85301055 A 19850218**

Priority

US 58507284 A 19840301

Abstract (en)

A compound of the formulawherein R<sup>1</sup> is phenyl; phenyl substituted with halogen, alkyl, NR<sup>4</sup>R<sup>5</sup>wherein R<sup>4</sup> and R<sup>5</sup> are the same or different and are hydrogen or alkyl; alkoxy, alkylthio, methylenedioxy, COOR<sup>6</sup>wherein R<sup>6</sup> is alkyl; or NHCOORwherein R<sup>7</sup> is alkyl; R<sup>2</sup> and R<sup>3</sup> are the same or different and are alkyl, cycloalkyl or aralkyl, and R<sup>2</sup> plus R<sup>3</sup> are alkylene, oxydialkylene or thiodialkylene.The compound is useful as a rubber curative and curable rubber compositions and methods for curing a rubber are disclosed.

IPC 1-7

**C07C 155/04**; C07D 295/20; C08K 5/43; C08L 21/00

IPC 8 full level

**C08L 7/00** (2006.01); **C07C 67/00** (2006.01); **C07C 325/00** (2006.01); **C07C 333/14** (2006.01); **C07D 295/21** (2006.01); **C08K 5/36** (2006.01); **C08K 5/39** (2006.01); **C08K 5/43** (2006.01); **C08L 21/00** (2006.01); **C08L 23/00** (2006.01); **C08L 33/00** (2006.01); **C08L 33/02** (2006.01); **C08L 101/00** (2006.01)

CPC (source: EP KR US)

**C07C 333/14** (2013.01 - EP US); **C07D 295/21** (2013.01 - EP US); **C08K 5/43** (2013.01 - EP US); **C08L 21/00** (2013.01 - KR)

Designated contracting state (EPC)

BE DE FR GB IT NL

DOCDB simple family (publication)

**EP 0154437 A2 19850911**; **EP 0154437 A3 19860611**; **EP 0154437 B1 19890614**; AU 3929185 A 19850905; AU 574765 B2 19880714; BR 8500849 A 19851015; CA 1272194 A 19900731; DE 3571029 D1 19890720; JP S60215665 A 19851029; KR 850006432 A 19851005; US 4631316 A 19861223; ZA 851132 B 19851224

DOCDB simple family (application)

**EP 85301055 A 19850218**; AU 3929185 A 19850301; BR 8500849 A 19850226; CA 475405 A 19850228; DE 3571029 T 19850218; JP 4028985 A 19850228; KR 850001277 A 19850228; US 58507284 A 19840301; ZA 851132 A 19850214